

HOW TO UPDATE SEAHAWK LDRA6 FIRMWARE USING A 1K X-MODEM

MODEL: LDRA6

1. Connect to the LDRA6 using HyperTerminal. Go to the Documentation/Files section on the LDRA6 webpage at www.rletech.com for instruction on how to do so. Select the support document, "Connect HyperTerminal."
2. Also, on the LD5100 webpage, you will find the most current .s19 file. Download the .s19 file to update the LDRA6
3. Start firmware updates by:

- a.) Press the ? Key and press enter after power-up.

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TEDs 232 - HyperTerminal
File Edit View Call Transfer Help
?
Help Menu - LDZ6/RASP6 V2.2
c - view/change CC settings
ld - view/change leak delay
sens - view/change leak zone sensitivity
e - view eeprom data
er - erase eeprom data - restores factory defaults
mbb - change modbus baud rate
mbp - change modbus parity
mr - reset modbus port/statistics
m - view modbus port settings/statistics
t - toggle modbus trace on/off
z - display leak zone readings
x - exit to bootloader
-
Connected 0:04:41 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo
  
```

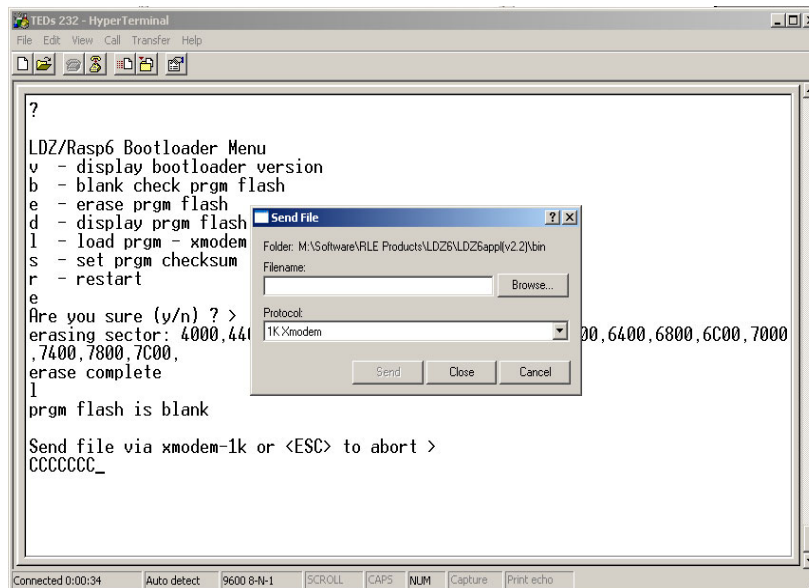
- b.) Once you see the Help menu, type X for exit to bootloader.

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TEDs 232 - HyperTerminal
File Edit View Call Transfer Help
x
LDZ/Rasp6 Bootloader - LDZ6BOOT V2.1
Bootloader running
?
LDZ/Rasp6 Bootloader Menu
v - display bootloader version
b - blank check prgm flash
e - erase prgm flash
d - display prgm flash info
l - load prgm - xmodem
s - set prgm checksum
r - restart
e
Are you sure (y/n) ? >
erasing sector: 4000,4400,4800,4C00,5000,5400,5800,5C00,6000,6400,6800,6C00,7000,7400,7800,7C00,
erase complete
l
prgm flash is blank
Send file via xmodem-1k or <ESC> to abort >
CCC_
Connected 0:07:28 Auto detect 9600 8-N-1 SCROLL CAPS NUM Capture Print echo
  
```

- c.) Type ? and press enter after seeing the LD/Rasp6 Bootloader - LDZ6BOOT V2.1 – running.

- d.) Type e and press enter after seeing the Bootloader Menu. Type Y and press enter to confirm you want to erase the current program.
- e.) Press the L key and press enter to load the new file to the LDRA6.
- f.) Go to the top of the HyperTerminal window and left click the Transfer tab. Then select send file, then left click. Once the send file window opens, select your protocol to 1K Xmodem. Then browse to the location on your local PC where the .s19 file is saved. Once the file is selected, left click the send button on the send file window. The download will take approximately 25 seconds to load.



- g.) Once the download is complete, type S and press enter. After you see the checksum is valid, remove power and restart the unit. If the unit is not given any commands after the uploading the new firmware, the unit will automatically start after being idle for two minutes.
- h.) End of Procedure